AUTODOC CLUB

How to change spark plugs on **AUDI A6 Avant (4G5, 4GD, C7)** – replacement guide

SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

Important!

This replacement procedure can be used for:
AUDI A6 Avant (4G5, 4GD, C7) 2.0 TFSI

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: AUDI A4 Saloon (8K2, B8) 2.0 TFSI Flexfuel quattro

REPLACEMENT: SPARK PLUGS – AUDI A6 AVANT (4G5, 4GD, C7). TOOLS YOU MIGHT NEED:



- High-temperature anti-seize lubricant
- Torx bit T30
- Spark plug socket # 16
- Ratchet wrench
- Torque wrench
- Telescoping magnet
- Fender cover

Buy tools

Replacement: spark plugs – AUDI A6 Avant (4G5, 4GD, C7). AUTODOC experts recommend:

- The replacement procedure is the same for all spark plugs.
- Please note: all work on the car – AUDI A6 Avant (4G5, 4GD, C7) – should be done with the engine switched off.

REPLACEMENT: SPARK PLUGS – AUDI A6 AVANT (4G5, 4GD, C7). TAKE THE FOLLOWING STEPS:

1 Open the hood.

2 Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.

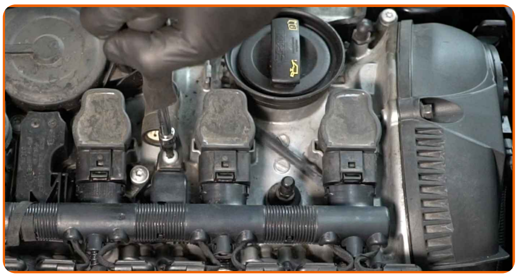
3 Remove the engine cover.



Replacement: spark plugs – AUDI A6 Avant (4G5, 4GD, C7). Tip:

- Raise the engine cover, holding it on two sides simultaneously.
- Do not apply excessive force when removing the part. Otherwise you may damage it.

4 Unscrew the fasteners of the ignition coil harness retainer. Use Torx T30. Use a ratchet wrench.



5 Unplug the connectors from the ignition coils.



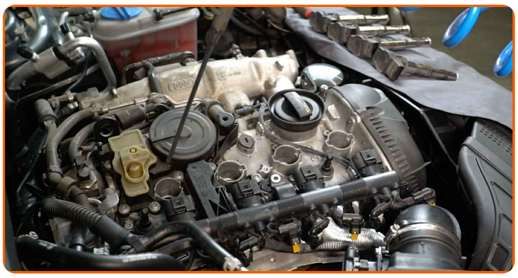
6 Take out the ignition coils from the spark plug wells.



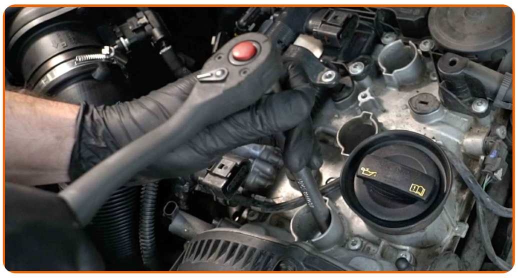
Replacement: spark plugs – AUDI A6 Avant (4G5, 4GD, C7). AUTODOC recommends:

- Remember the sequence of steps for ignition coil demounting.

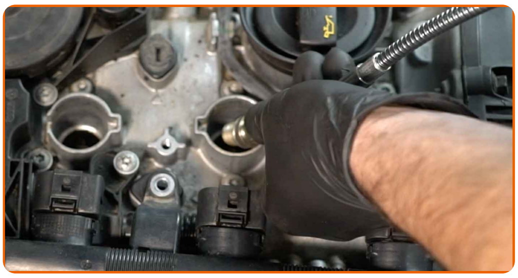
7 Clean dirt, dust and debris from inside the spark plug wells.



8 Unscrew the spark plugs. Use the spark plug socket #16. Use a ratchet wrench.



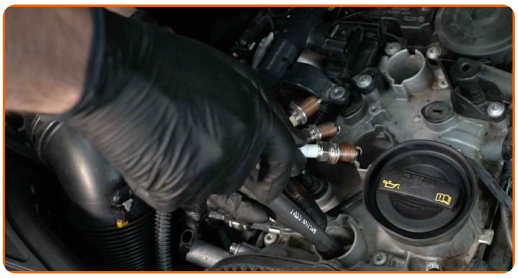
9 Take out the spark plugs. Use a telescoping magnet.



10 Apply a thin layer of a special high temperature anti-seize lubricant to the threads of the new spark plugs.

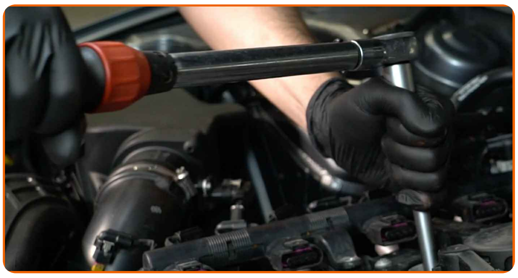


11 Install the new spark plugs into their mounting seats. Use the spark plug socket #16.



12

Screw new spark plugs and tighten them. Use the spark plug socket #16. Use a torque wrench. Tighten it to 27 nm torque.

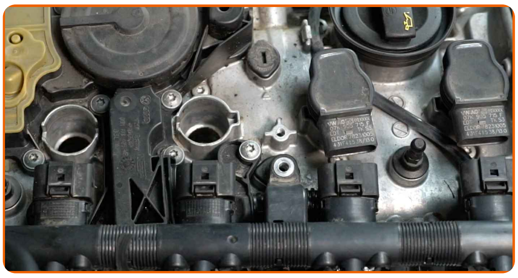


Replacement: spark plugs – AUDI A6 Avant (4G5, 4GD, C7). AUTODOC experts recommend:

- Don't tighten the plugs with excessive force. Exceeding tightening torque can damage the thread connection.
- Be careful when working with a spark plug wrench. Its skewing can cause damage to the threaded connection.

13

Install the ignition coils to the spark plug wells. Make sure you hear a click indicating that it is locked in place.



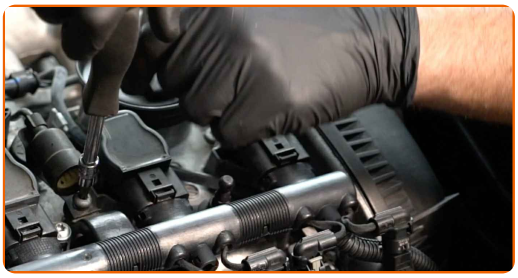
AUTODOC recommends:

- Replacement: spark plugs – AUDI A6 Avant (4G5, 4GD, C7). Follow the installation steps.

14 Plug in the connectors of the ignition coils.



15 Screw in the fasteners of the ignition coil harness retainer. Use Torx T30. Use a ratchet wrench.



16 Install the engine cover and secure it.



Replacement: spark plugs – AUDI A6 Avant (4G5, 4GD, C7). Tip from AUTODOC experts:

- Make sure the engine cover is properly seated. It should not be displaced with respect to the guiding fasteners.
- Do not apply excessive force when installing the part. Otherwise you may damage the fasteners.

17 Remove the fender protection cover.

18 Close the hood.

19 Run the engine for a few minutes. This is necessary in order to make sure that the component operates properly.

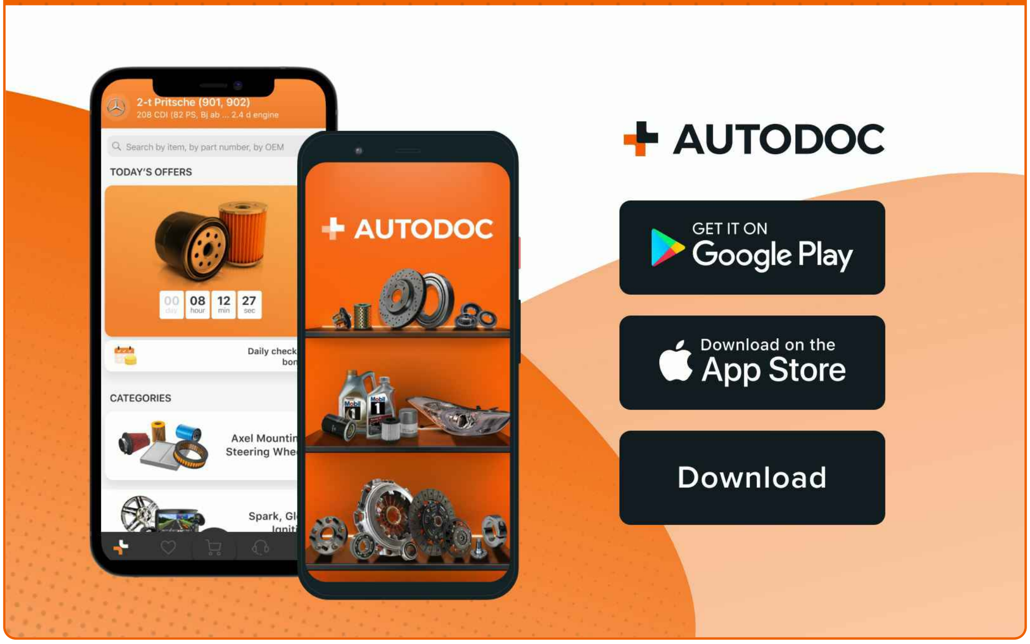
20 Shut off the engine.

WELL DONE!

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SPARK PLUGS: A WIDE SELECTION

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